



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 4] NEW DELHI, SATURDAY, JANUARY 23, 1993 (MAGHA 3, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2  
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 23rd January 1993

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Telegraphic address "PATENTOFIS".

Patent Office. (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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## पेटैंट कार्यालय

## एकत्र संघ अधिकारी

कलकत्ता, दिनांक 23 जनवरी 1993

## पेटैंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवधित है  
हाथा शम्बहै, दिल्ली एवं मद्रास में इसके शास्त्र कार्यालय हैं, जिनके  
प्रादौशक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित  
हैं :—

पेटैंट कार्यालय शास्त्र, टोडी इस्टेट,  
तीसरा तल, सोअर परले, (पश्चिम),  
एम्बई-400013।

गुजरात, शहराबद् तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, बंगल तथा  
दीव एवं दावरा और नाशर हमेली।

तार पता—“पेटैंटिफिस”

पेटैंट कार्यालय शास्त्र,  
एफ्स सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
मरुष्टी भार्ग, करोल बाग,  
सर्डी दिल्ली-110005।

हरिगांठ, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटैंटोफिक्स”

पेटैंट कार्यालय शास्त्र,  
61, बालाजाह रोड़,  
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, कर्णल, हमिलनाडू राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डुचेरी, लक्ष्मीपुरम्,  
मिऩिकाल तथा अमिनीविवि इवीप।

भारत पता—“पेटैंटिफिस”

## पेटैंट कार्यालय (प्रधान कार्यालय)

निजाम पलेस, दिवतीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आबाद जगदीश बोस रोड़,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र

तार पता—“पेटैंटेस”

पेटैंट अधिनियम, 1970 या पेटैंट नियम, 1972 में अपे-  
क्षित गभी डाकेतन पत्र, संघनाय, त्रिवरण या अन्य प्रलेख पेटैंट  
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

इनक :—इनकों की अदायगी या हो नकद की ज्ञापनी अधिका  
उपर्युक्त कार्यालय में नियंत्रक को भूत हाज योग्य धनादेश अथवा  
डाक आदेश या जहाँ उपर्युक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भूगतान योग्य बैंक ड्राफ्ट  
अथवा उक्त बैंक ब्रांच की जा सकती है।

## CORRIGENDUM

In the Gazette of India, Part-III, Sec.-2, dated the 8th December, 1990 in page-1372, Col.-2, for application for Patent No. 67/Del/87 filed on 29th January, 1987 read the accepted No. as 167682.

In the Gazette of India, Part-III, Sec.-2, dated the 15th December, 1990

- (a) In page 1404, Col-1, for application for Patent No. 103/Del/87 filed on 10th February, 1987 read the applicant as RELIANCE ELECTRIC COMPANY, instead of RELIANCE ELECTRICAL COMPANY;
- (b) In page-1407, Col-1, for application for Patent No. 986/Del/87 filed on 17th November, 1987 read the applicant as COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, instead of COUNCIL OF SCIENTIFIC & RESEARCH;
- (c) In page-1407, Col-2, for application for Patent No. 535/Mas/86 filed on 14th July, 1986 read the applicant as NAUCHNO ISSLEDOVATELSKY INSTITUT PO CHERNA METALURGIA BOTU-NETZ instead of NAUCHNO IZSLEDOVATELSKI INSTITUT PO CHERNA METALURGIA BOTU-NETZ.

In the Gazette of India, Part-III, Sec.-2, dated the 29th December, 1990 in page-1481, Col-2, for application for Patent No. 955/Del/86 filed on 29th October, 1986 read the applicant as IMPERIAL CHEMICAL INDUSTRIES P.L.C. instead of IMPERIAL CHEMICAL INDUSTRIES POLC.

Under the headings “PATENTS SEALED” in the Gazette of India Part-III, Section 2, Dated 2-1-93 delete the number 169839.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MIL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

2nd November, 1992

343/BOM/92. Indian Oil Corporation Limited. An improved automatic filling system for filling liquified petroleum gas in domestic or commercial gas cylinder.

3rd November, 1992

344/BOM/92. Technosource. A vertical slab-gel electrophoresis apparatus.

345/BOM/92. Chandrakant Shankerlal Shah. Method for dual fluid injection moulding.

6th November, 1992

- 346/BOM/92. Mrs. Indumati Jayantkumar Shah & Mr. Kamlesh Jayantkumar Shah. Multi loading probe for ultrasonic hardness tester.
- 347/BOM/92. Hindustan Lever Ltd. U.K. Priorities dt. 7-11-1991 & 4-9-1992. Cosmetic composition.

11th November, 1992

- 348/BOM/92. Vishvas Narayan Sahasrabuddhe & Deepak Ganesh Karandkar. An improved multipurpose oven.
- 349/BOM/92. Sureshchandra Bhagubhai Patel. Some super decoupled loadflow method.
- 350/BOM/92. Hindustan Lever Limited. U.K. Priority dt. 11-11-1991. Perfume Composition.

12th November, 1992

- 351/BOM/92. Phenoweld Polymer Pvt. Ltd. An improved flushing cistern.
- 352/BOM/92. M/s. Four Eyes Research (P) Ltd. A process for removal/conversion of sugars from sugarcane rind without mechanical damage to rind fibre.

- 353/BOM/92. Hindustan Lever Ltd. U.K. Priorities both dt. 12-11-1991. Antiperspirant material and compositions.

16th November, 1992

- 354/BOM/92. Rudra Narain Nevatia. Hipped roof assembly.

18th November, 1992

- 355/BOM/92. Rajesh A. Oza & Mohan P. Vaghela. Fabric Emmerising/Peach Finishing Machine.
- 356/BOM/92. Mrs. Subhra Sinha. A Secateur.
- 357/BOM/92. Mrs. Subhra Sinha. A Carpet Trimmer.

19th November, 1992

- 358/BOM/92. M/s. Four Eyes Research (P) Ltd. A process for removal of sugars from sugarcane rind without fibre damage and simultaneous production of lactic acid.

- 359/BOM/92. S. Rajendran & Prabhakar Deodhar. Operator less Directory enquiry system through audio response.

- 360/BOM/92. Eagle Flask Industries Limited. Liquid container.

- 361/BOM/92. Hindustan Lever Ltd. Bleach catalyst composition manufacture and use thereof in detergents and/or bleach compositions.
- U.K. Priority dated 20-11-1991.

- 362/BOM/92. Hindustan Lever Ltd., U.K. Priority dated 19-11-1991. Liquid dentifrices.

20th November, 1992

- 363/BOM/92. Dr. Bernard Gabriel Sequeira. Digital read-out, a ten segment format for arabic digits display.

- 364/BOM/92. Hemant Sadashivrao Bhave. Domestic Gas Level Indicator Trolley.

- 365/BOM/92. Thermax Limited. A oil fired radiant wall burner.

- 366/BOM/92. Surendra Himmatal Shah. Novel compact mini refrigerative cooler which would eliminate gelling and formation of viscous film lining by contact with cross flowing refrigerant while cooling/recycling hot oil entered thereto at temperature upto 50°C., and rapidly cooling it down to as low as 20°C., for

maintaining constant pre-set temperature differential without ON/OFF cycling of refrigerative compressor.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH  
ROAD, MADRAS-600 002

16th November, 1992

- 686/MAS/92. Avrampalayam Gopalswaminaidu Govindarajulu. Computer controlled travelling cleaners.

- 687/MAS/92. Lucas Industries Public Limited Company. Brake shoe and internal shoe drum brake. (November 19, 1991; Great Britain).

- 688/MAS/92. M/s. Horizon Calendar. 'Horizon Calenders' for 5000 years.

- 689/MAS/92. Joseph Vilangadan. Pre-cast concrete shoes for sandlime piling.

- 690/MAS/92. Energy Conversion Devices, Inc. Electricaly erasable, directly overwritable, multibit single cell memory elements and arrays fabricated therefrom.

17th November, 1992

- 691/MAS/92. Girivas Viswanath Shet. A process for preserving and separating oil from Sandal Wood Waste available from temples, through steam distilling.

- 692/MAS/92. Mannesmann Aktiengesellschaft. Process and apparatus for the melting of pig iron.

- 693/MAS/92. Arya Rubinstein; Howard I Podell and Albert Goldstein. Bloodbag and method of making same.

- 694/MAS/92. Caterpillar Inc. High voltage ripping apparatus.

19th November, 1992

- 695/MAS/92. Central Power Research Institute. Spherical Electrode digital AC field meter.

- 696/MAS/92. Interbold. Analog to digital converter circuit having automatic range control.

- 697/MAS/92. Maschinenfabrik Rieter AG. Securing of a slubbing.

20th November, 1992

- 698/MAS/92. V. M. Mayande and Dr. J. C. Katyal. "Drillplough".

23rd November 1992

- 699/MAS/92. Rockwell International Corporation. Thermal urger.

24th November, 1992

- 700/MAS/92. Liet, Cornelis Hendricus. Apparatus for working metal workpieces.

- 701/MAS/92. Liet, Cornelis Hendricus. Apparatus for working metal workpieces.

- 702/MAS/92. BIS Both Industrial Services. B.V. Roller, especially for application in a printing machine.

25th November, 1992

- 703/MAS/92. N. Sundaresan. A substitute for wood—“ideal wood”.

- 704/MAS/92. Dr. P. Ravindranath. High solar energy tapping system.

- 705/MAS/92. GS Technologies, Inc. Method and apparatus for the manufacture of pharmaceutical cellulose capsules.

- 706/MAS/92. Brunner Mond & Company Limited. Production of alkali metal carbonates. (November 26, 1991; United Kingdom).

- 707/MAS/92. Asea Brown Boveri Ltd. Process for the reduction of nitrogen oxides in exhaust gases.
- 708/MAS/92. Phoenix Display Corporation. Standard and bracket support system.
- 709/MAS/92. Lonza Ltd. A process for preparing 2-substituted 4, 6-dialkoxy pyrimidines and certain new 2-N-alkylamino-4, 6-dialkoxy pyrimidines.

26th November, 1992

- 710/MAS/92. Bracco S.p.A. A method and formulations useful to improve the study of human body cavities.

- 711/MAS/92. Societe Des Produits Nestle S.A. Heat stable oil-in-water emulsion and process for its preparation.

- 712/MAS/92. Arvedi Giovanni. Improved induction furnace for heating or reheating of flat products in steel industry.

- 713/MAS/92. University of Florida. Novel methods and materials for pestmanagement.

27th November, 1992

- 714/MAS/92. The English Electric Company of India Limited. A device for saving and sequencing electrical energy.

- 715/MAS/92. Thermore (Far East) Ltd. Method for making a cloth article wadding and an improved stabilized fiber wadding thereby.

- 716/MAS/92. Energy Conversion Devices, Inc. Electrically erasable memory elements characterized by reduced current and improved thermal stability.

#### ALTERATION OF DATE U/S 16

Patent No.

171830

(49/Cal/1991)

Ante-dated to 09-12-1987.

Patent No.

171849

(966/M/90)

Ante-dated to 18th February, 1987.

Patent No.

171850

(430/M/90)

Ante-dated to 17th July, 1986.

Patent No.

171860

Filed on 04 Nov., 1988.

(956/Del/88)

Ante-dated to 02 June, 1986.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15 of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in

due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में जो किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके दिर्गम की तिथि से 4 महीने या अग्रिम एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकस्व को एसें विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हते यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (अतिरिक्त डाक बच्च)। मुद्रित विनिर्देश की आपूर्ति हते भाग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता इवारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार इवारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कारणों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 128 G

Int. Cl. : A 61 B 5/00.

169539

PORATABLE MONITOR FOR COMBINEDLY MONITORING AND DISPLAYING PACEMAKER INFORMATION AND VITAL PHYSIOLOGICAL SIGN INFORMATION.

Applicant : MICROMEDICAL INDUSTRIES PTY. LIMITED, OF 397 DARLING STREET, BALMAIN, NEW SOUTH WALES, 2041, AUSTRALIA.

Inventors : (1) HARRY LOUIS PLATT.

(2) BRUCE RICHARD SATCHWELL.

Application No. 567/Cal/1988, filed on July 6, 1988.

Convention No. 12418/88 dated 21st January, 1988  
(AUSTRALIA).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

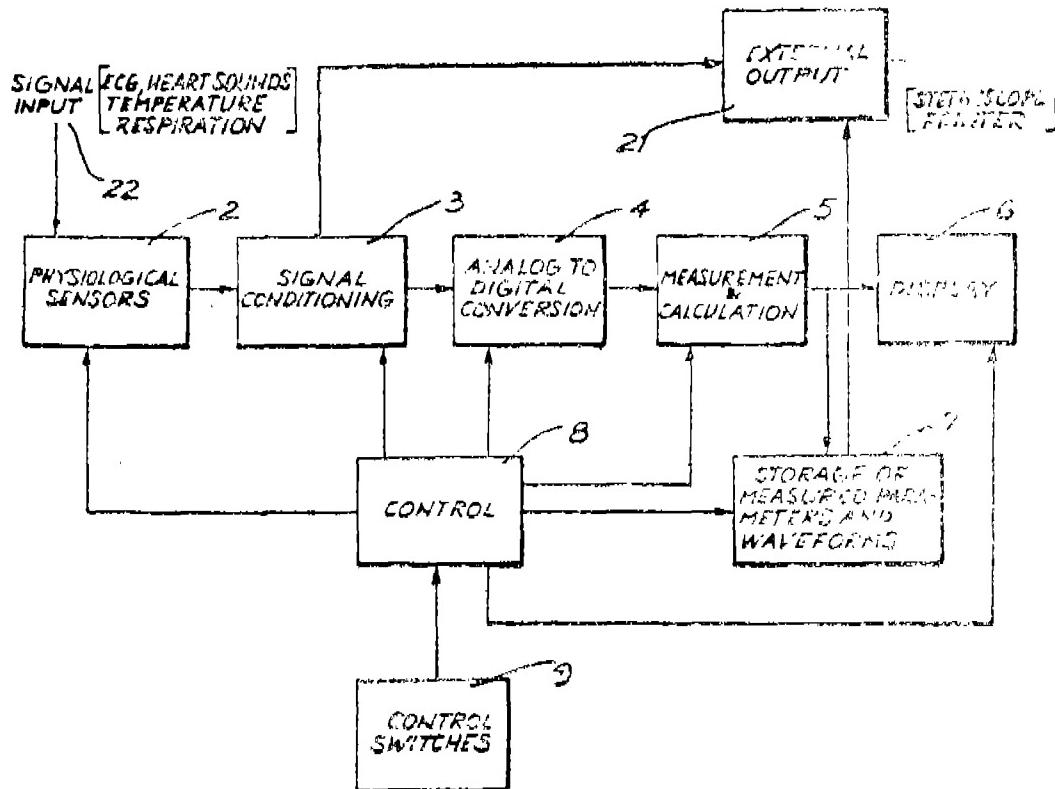
## 5 Claims

A portable monitor for combinedly monitoring and displaying pacemaker information and vital physiological sign information, said monitor comprising :

data acquisition means adapted to receive electrical signals available at a skin contact region;

data processing means adapted to process said signals and produce vital sign information and pacemaker information therefrom; and

display means integral with said monitor which displays said vital sign information and said pacemaker information together.



Compl. Specn. 24 pages

Drgs. 29 sheets.

(Inadvertently the above mentioned accepted complete specification was not notified earlier)

Cl. : 55 E4

171821

Int. Cl. : C 07 H 19/00, 21/00.

## METHOD FOR PRODUCING RIBOZYMES.

Applicant : GENE SHEARS PTY. LIMITED., SITUATED AT THE OFFICE OF MACPHILLAMY CUMMINS & GIBSON, OF 10TH FLOOR, NATIONAL MUTUAL CENTRE, DARWIN PLACE, CANBERRA CITY, IN THE AUSTRALIAN CAPITAL TERRITORY, COMMONWEALTH OF AUSTRALIA.

Inventors : (1) WAYNE LYLE GERLACH.

(2) JAMES PHILLIP HASELOFF.

(3) PHILIP ANTHONY JENNINGS

(4) FIONA HELEN CAMERON.

Application No. 1026/Cal/1988 filed on 14 December, 1988.

(Convention No. PI 5911/87 dated 15-12-1987, Australia.

Convention No. PI 9950/88 dated 19-8-1988, Australia.

Convention No. PJ 0353/88 dated 9-9-1988, Australia.

Convention No. PJ 1304/88 dated 4-11-1988, Australia.

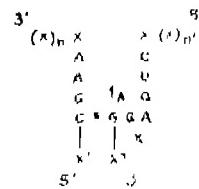
Convention No. PJ 1333/88 dated 7-11-1988, Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

## 6 Claims

A method for producing a compound of the formula (I) of the accompanying drawings :

Wherein each X represents a ribonucleotide which may be the same or different;



Formula I

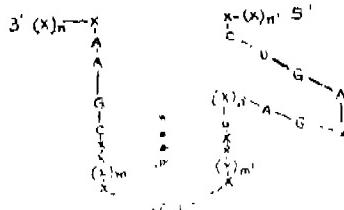
Wherein each of  $(\text{X})_n$  and  $(\text{X})_{n'}$  represents an oligoribonucleotide having a predetermined sequence which is capable of interacting through base-pairing

with an RNA target sequence to be cleaved and does not naturally occur covalently bound to the sequences X-A-A-G-C and X-C-U-G-A, respectively;

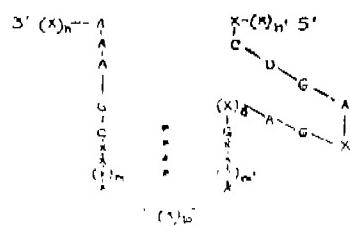
Wherein each of n and n' represents an integer which defines the number of ribonucleotides in the oligoribonucleotides with the proviso that the sum of n + n' is sufficient to allow the compound to stably interact with the RNA target sequence through base pairing;

X and X' represent ribonucleotides of complementary sequence along at least part of their length to allow base pairing between the oligoribonucleotides, or X and X' together form a single RNA sequence wherein at least part of said sequence comprises a stem formed by base pairing between complementary nucleotides; and an additional nucleotide selected from any one of A, G, C, or U being optionally present after <sup>1</sup>A which method comprises the step of :

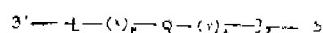
- ligating in a known manner into a transfer vector comprised of DNA, RNA or a combination thereof a nucleotide sequence such as therein described corresponding to said compound;
- transcribing in a known manner the nucleotide sequence of step (a) with RNA polymerase; and
- optionally purifying the product of step (b).



Formula-II



Formula-III



Formula IV

Compl. specn. 45 pages

Drgs. 21 sheets.

Cl. : 145 B, C, D

171822

Int. Cl. : D 21 F 1/00, 3/00, 13/12,  
D 21 J 1/00, 3/00.

## PRESS FOR PRESSING MATERIALS SUCH AS FIBROUS MATERIALS INTO BOARD.

Applicant: COMPACK SYSTEMS LIMITED, of Torr Street, Gainsborough, Lincolnshire, DN21 2EG, England.

Inventors: MICHAEL COSMO BARNES.

Application No. 1049/Cal/1988 filed on December 20, 1988.

(Convention No. 87 29895 dated 22nd December 1987, Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A daylight platen press for producing fibrous board having platens therein, means for locating the platens at variable predetermined vertical positions in the press, wherein said means comprising shoulder support an infeed stacker which is adjustable so as to provide decks to correspond with the number of daylights in operation.

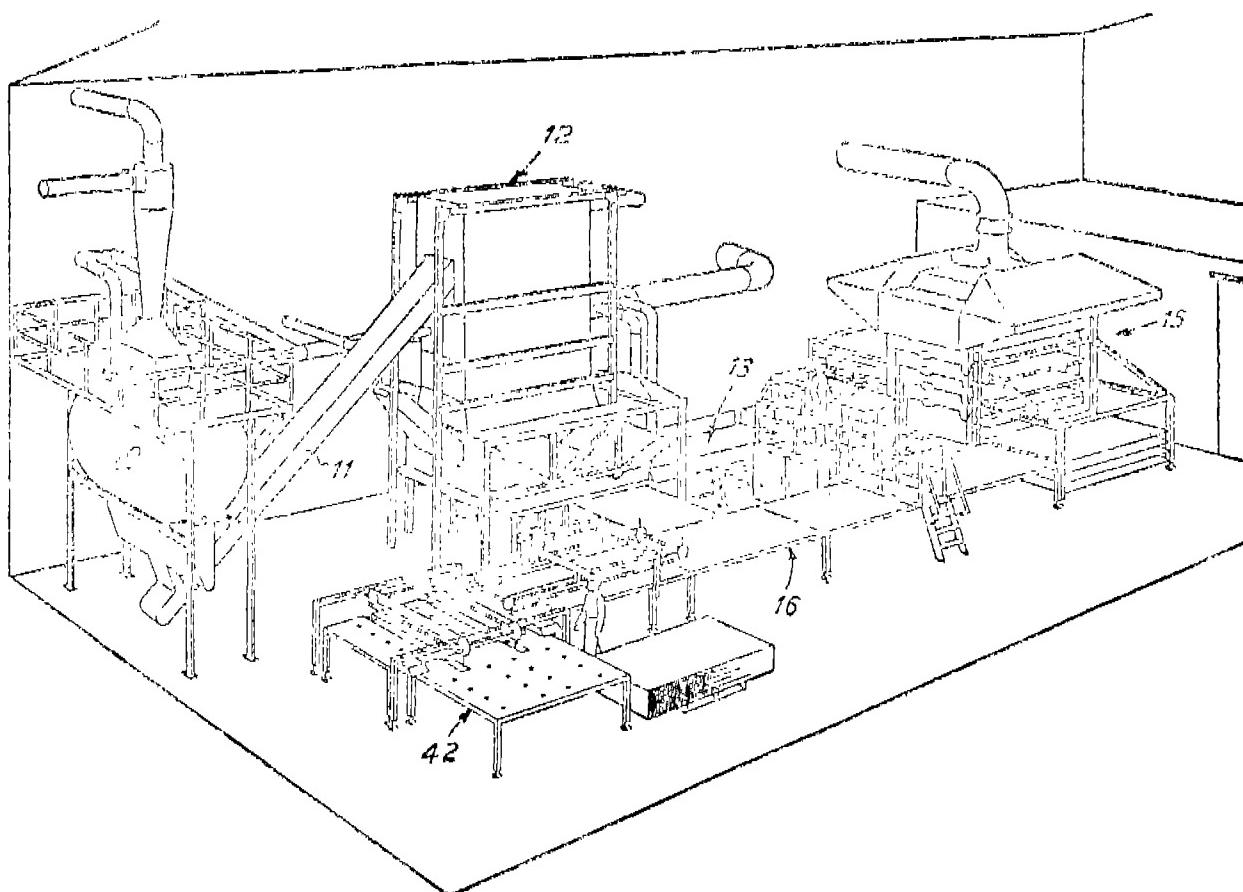


Fig. 1

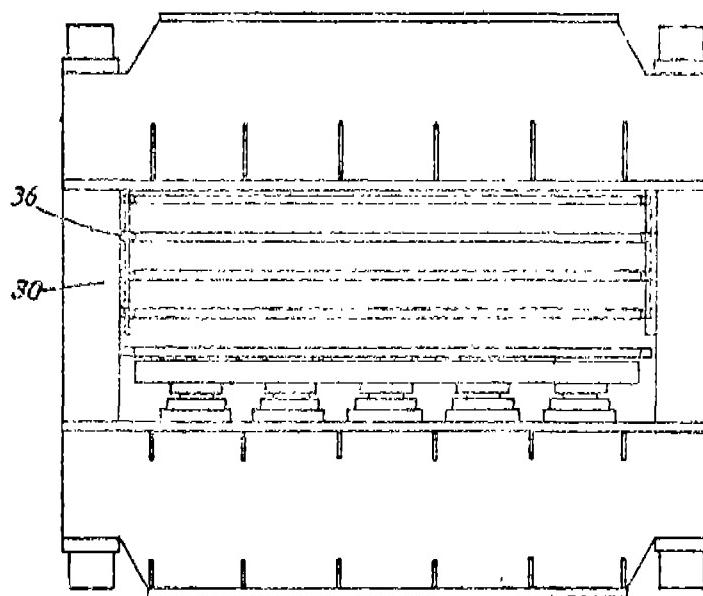


Fig. 2

Compl. Specn. 9 pages

Cl. : 88 D; 40 F.

Int. Cl. : C 10 J 3/00.

## A DEVICE FOR GASIFYING OF PARTICULATE FUELS.

Applicant : KRUPP KOPPERS GMBH, OF ALTENDORFER STRASSE 120, D-4300 ESSEN 1, WEST GERMANY.

Inventors : (1) HANS-RICHARD BAUMANN, (2) ADOLF LINKE, (3) HANS-REINER SCHWEIMANNS, (4) KARL-HEINZ DUTZ.

Application No. 97/Cal/1989 filed on 31 January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A device for gasifying of particulate fuel with oxygen and/or air and, if appropriate, steam in a gasification reactor which has at least two burners arranged in one plane in the sidewall of the reactor, characterized in that said burners being connected to the outlet of a single metering vessel (1) through a distributor (8), said distributor having a fuel feed pipe for each of the individual burners (3, 4, 5, and 6) of the gasification reactor (2) each of pipes being of different lengths and/or pipe runs.

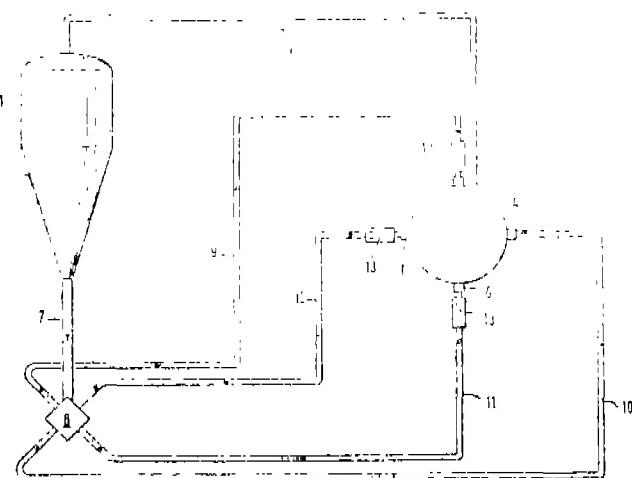


Fig. 1

Compl. Specn. 10 Pages

Drgns. 2 sheets

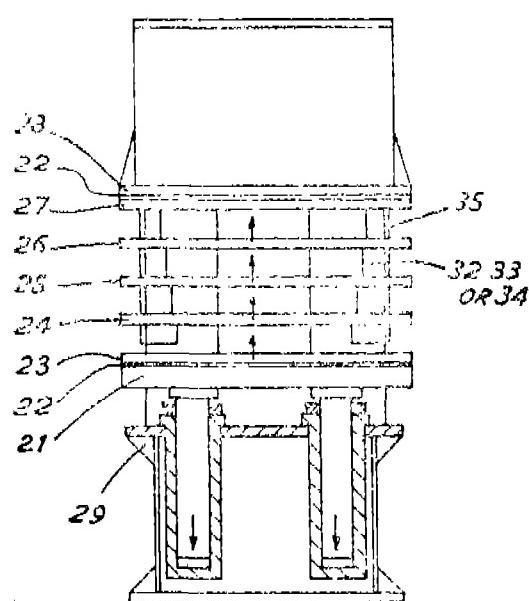


Fig. 3

Drgns. 5 sheets

Cl. : 40 F; 70 C

Int. Cl. : H 05 K 1/03, 3/02.

## METHOD FOR THE MANUFACTURE OF A MULTIPLE LAYER LAMINATE FOR THE PREPARATION OF PRINTED CIRCUIT BOARDS.

Applicant: GOULD INC. OF 10 GOULD CENTER, ROLLING MEADOWS, ILLINOIS 60008, UNITED STATES OF AMERICA.

Inventors (1) SIDNEY JAMES CLOUSER, (2) CHINHO LEE, (3) MARY KATHERINE PROKOP, (4) CHRISTOPHER JOHN WHEWELL.

Application No. 157/Cal/1989 filed on 24 February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A method for the manufacture of a multiple layer laminate for the preparation of printed circuit boards which comprises bonding together a multiple layer foil consisting of :

(i) a conductive foil layer, and on one surface thereof

(ii) a resistive layer comprising a composite of (a) a normally conductive metal colloid and (b) a resistance increasing amount of at least one non-metallic additive selected from carbon, oxygen and sulfur and an insulative layer, said insulative layer in contact with said resistive layer.

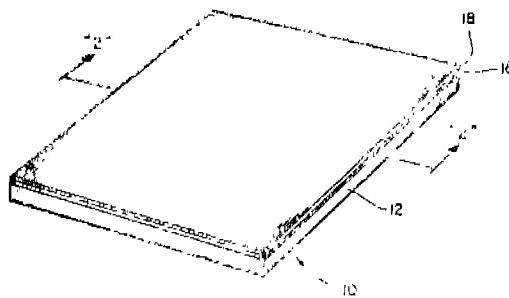


Fig. 1

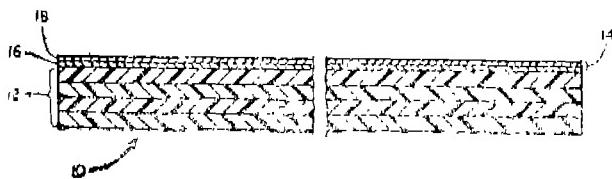


Fig. 2

Compl. Specn. 49 pages.

Drawns. 2 sheets

Cl.: 27-0

171825

Int. Cl.: E 04 B 1/74, 1/76, 1/88, 1/90, 1/98,  
2/00, 2/02, 2/08.

## APPARATUS FOR MANUFACTURING BUILDING PANELS.

Applicant: MONOLITE S.R.L., OF VIA G. FILIPPINI,  
3, 61032 FANO (PROVINCE OF PESARO), ITALY.

Inventors: ANGELO CANDIRACCI.

Application No. 189/Cal/1989 filed on March 7, 1989.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

Apparatus for manufacturing building panels, particularly for constructing antiseismic and thermoacoustically insulated walls, characterized in that it comprises a horizontal table (6) for assembling a panel (2) formed by at least one layer (3) of insulating material and by a pair of metal grids (4, 5) associated with the opposite faces of said insulating layer (3) means (10, 11) for advancing said panel step by step to a station for inserting, cutting and welding elements (8) for connecting said metal grids, said inserting, cutting and welding station comprising means (17) adapted to insert said connecting elements (8) transversely to said insulating layer, lower welding means (19) adapted to weld said connecting elements, which pass through said insulating layer, to the lower metal grid of the panel, means (18) for cutting said connecting elements at the upper metal grid of the panel and upper welding means (51) adapted to weld said cut connecting elements to the upper metal grid of the panel.

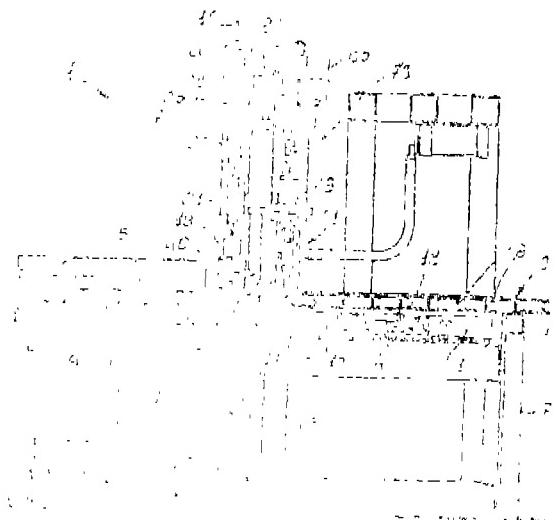
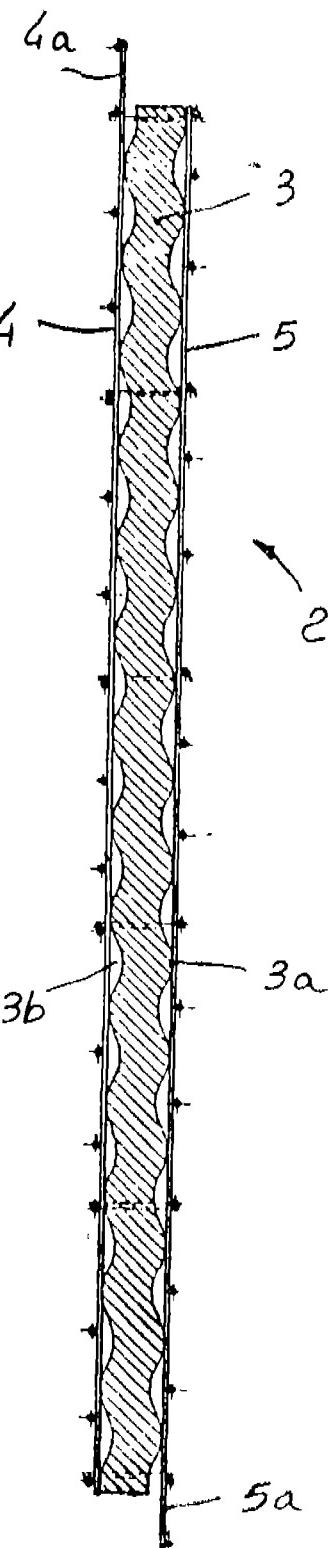
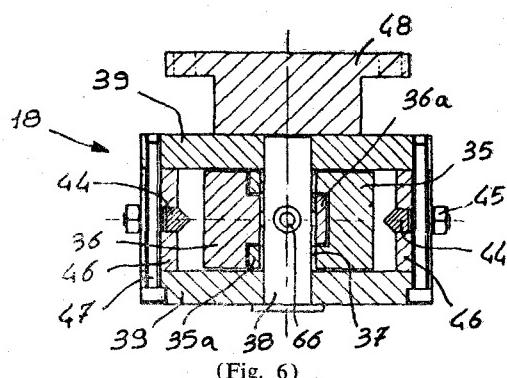


Fig. 1

FIG 2





Compl. Specn. 14 pages.

Drgns. 4 sheets.

Cl. 68-E.

171826.

Int. Cl. : H01 C 7/12, 8/04; H 01 T 4/00,  
H 02 G 13/00.**"LIGHTENING ARRESTOR INSULATOR AND METHOD OF PRODUCING THE SAME".**

Applicant : NGK INSULATORS, LTD. of 2-56, Suda-Chō, Mizuho-ku, Nagoya City, Aichi pref., Japan.

Inventors : 1) SHOJI SEIKE, 2) TOSHIYUKI MIMA,  
3) MASAYUKI NOZAKI

Application No. : 227/Cal/1989 filed on 21 March 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims**

A lightening arrestor insulator having a discharge gap portion and an arrestor ZnO element device both built in a body of the insulator, comprising projected discharge electrodes arranged in the inside of the insulator body, the discharge gap portion being formed of a heat resistant protrusion arranged in the inside of the insulator body and surrounding the discharge electrodes and a pair of metal plates and/or electrically conductive ceramic plates sandwiching the protrusion from both sides thereof and electrically connected to the discharge electrodes, and the pair of plates being joined and air-tightly sealed to the protrusion via an inorganic glass.

Compl. Specn. 31 Pages

Drgns. 4 Sheets.

Cl. 98 G

171827.

Int. Cl. f 28 D 9/00, F 28 F 3/00.

**"PLATE HEAT EXCHANGER"**

Applicant : ALFA-LAVAL THERMAL AB, aof P. O. Box 74, S-221 00 Lund, Sweden.

Inventors : JARL ANDERSSON.

Application No. 732/Cal/1989 filed on 15 May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims****—Plate heat exchanger comprising**

—a package of heat exchange plates, each of which is elongated and substantially rectangular and has a central heat exchange portion and corner portions provided with ports,

—an inlet member (7) connected both to a source (9) of liquid to be at least partly evaporated in the plate heat exchanger and to a first channel extending through the package of heat exchange plates, which channel is formed by aligned ports in the heat exchange plates,

2—427 GI92

—inlet and outlet members (10, 11) connected both to a source (13) and a reception place (15), respectively, for a heating medium and to two other channels extending through the package of heat exchange plates which channels are formed by aligned ports in the heat exchange plates on both sides of the central heat exchange portions of the heat exchange plates, said first channels communicate with only every second interspace between the heat exchange plates, whereas the other two channels communicate with the other interspaces between the heat exchange plates, and

—sealing means arranged between adjacent heat exchange plates in a way such that said liquid and heating medium during operation of the exchanger are allowed to flow substantially in parallel through the plate interspaces in the longitudinal direction of the heat exchange plates either concurrently or countercurrently, characterized in that

—at least every second one of the heat exchange plates (3c-3f) has a cut-off corner portion, in which a port of the same kind as anyone of the other ports could have been situated, and

—said sealing means leaves outlet openings (16) from the plate interspaces, which communicate with said first channel, in those areas of the heat exchange plates (3c-3f) where at least every second one thereof has a cut-off corner portion.

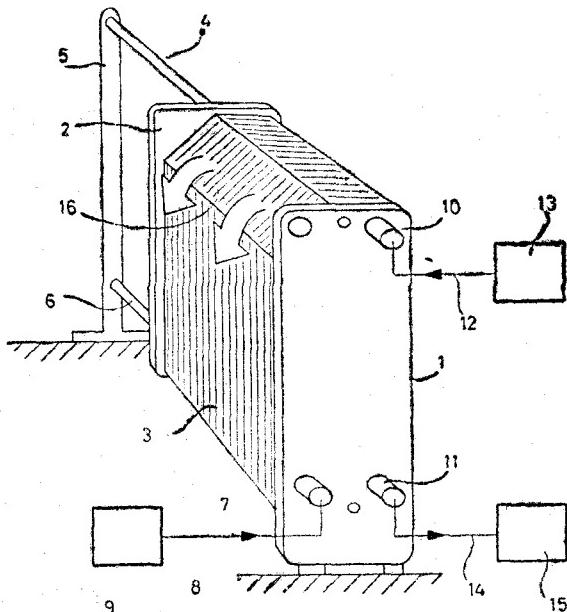


Fig. 1

Compl. Specn. 16 pages.

Drgns. 5 sheets

Cl. : 32F—IX(1)

171828

Int. Cl. : C 07 c 17/00; C 07 B 63/00.

**PROCESS FOR OBTAINING PURIFIED 2, 2-DICHLORO-1, 1, 1-TRIFLUORO-ETHANE FROM CRUDE 2, 2-DICHLORO-1, 1, 1-TRIFLUOROETHANE.**

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE UNITED STATES OF AMERICA.

Inventors : (1) DOUGLAS GEORGE GEHRING, (2) ABID NAZARALI MERCHANT.

Application No. 700/Cal/1989 filed on 28 August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**4 Claims**

A process for obtaining purified 2, 2-dichloro-1, 1, 1-trifluoroethane comprising the steps of

Contacting said crude 2, 2-dichloro-1, 1, 1-trifluoroethane in the liquid phase with an aqueous alkaline metal permanganate solution at a temperature of between 5 and 70°C. said metal permanganate having a concentration of at least 1 wt percent to saturated aqueous solution of upto about 200 g per liter, separating liquid 2, 2-dichloro-1, 1, 1-trifluoroethane from said aqueous alkaline metal permanganate solution, and recovering purified 2, 2-dichloro-1, 1, 1-trifluoroethane.

Compl. Specn. 10 pages.

Drgns. Nil

Cl. : 179A-XL (6)

171829

Int. Cl. 4 : B 29 C, 65/00, 65/56,  
B 65 B 51/10, 7/00.

#### PROCESS FOR PRODUCING FILLING AND SUBSEQUENT SEALING OF A DEFORMABLE CONTAINER.

Applicant & Inventor : BERND HANSEN, OF HEER-STR. 16, 7166 SULZBACH-LAUFEN 2, WEST GERMANY.

Application No. 744/Cal/1989 filed on 8 September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

A process for producing, filling and sealing a deformable container made of a sealable plastic material with a liquid, comprising in the steps of :

forming said container by a blow moulding method by introduction of a deformable tube into a mould assembly, said container having a filler connection with a flow passage of cross sectional dimensions smaller than a body portion of the container and an open end at a distal end of the filler connection;

filling the container with said liquid through the open end thereof to a first level of contents;

raising the contents to a higher second level inside the filler connection of the container by elastically deforming the container;

a first heat sealing step for forming the filler connection to reduce the transverse cross-sectional dimensions of the flow passage by pressing flat and heat sealing a border zone of the filler connection after filling, the passage remaining open at the distal end thereof;

a second heat sealing step for closing and sealing the distal end of the passage after raising the contents to the second level; and

Between starting to raise the contents to the second level and starting the second heat sealing step, removing vapors, clouds or foams from an upper surface of said contents in the filler connection by suction by applying vacuum reduced pressure in the filler connection.

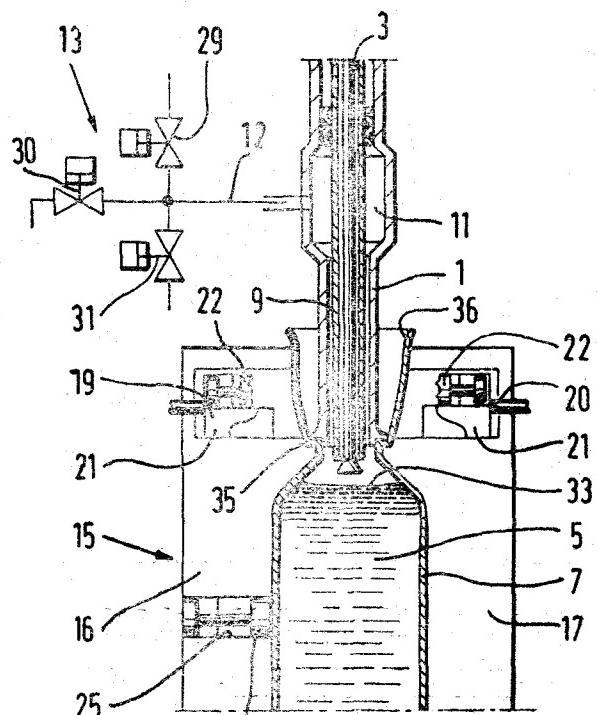


Fig. 1

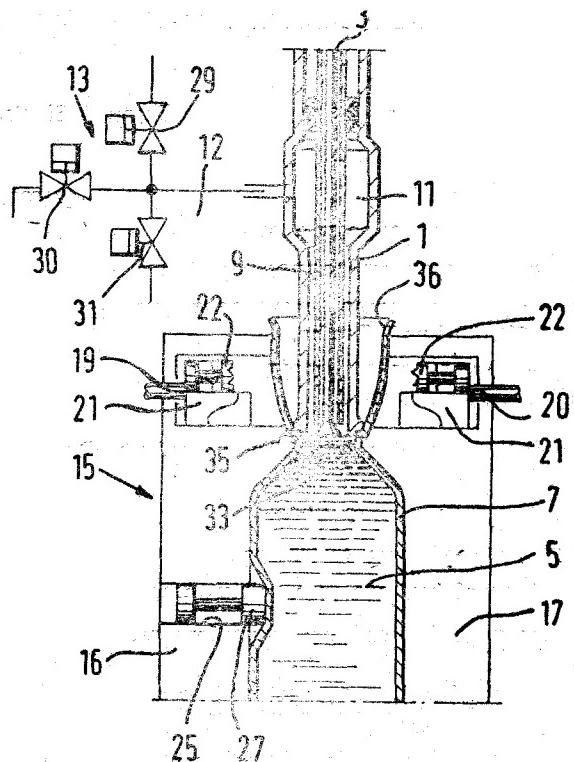


Fig. 2

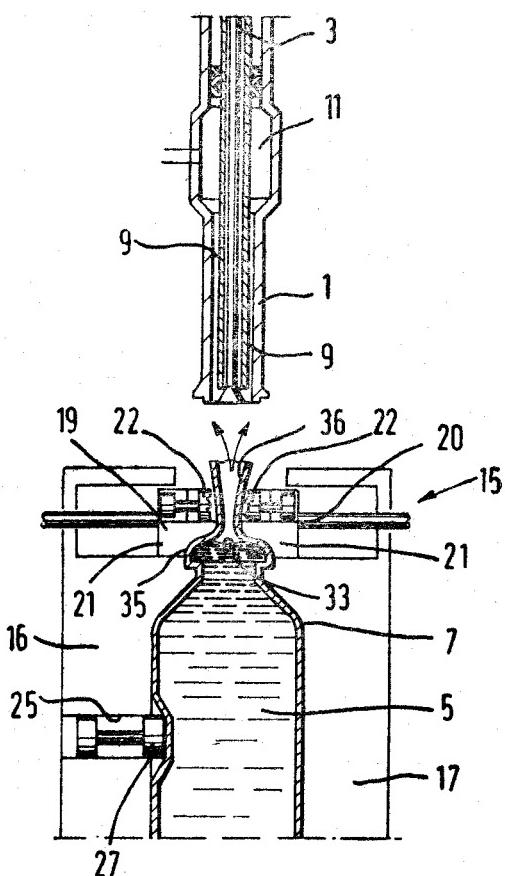


Fig. 3

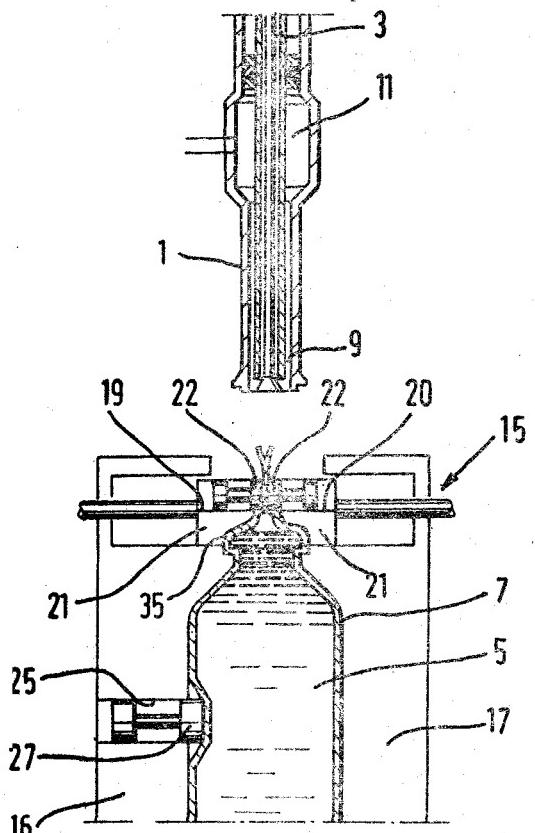


Fig. 4

Cl. : 48 A.

171830

Int. Cl. : H 01 B 1/00.

## CABLES FOR COMMUNICATION OR POWER TRANSMISSION.

Applicant: LANTOR BV., OF VERLAAT 22, 3901 RG VEENENDAAL, THE NETHERLANDS.

Inventors: (1) ROELF ADOLPH DE VRIEZE, (2) PETRUS GOVARDUS JOHANNES VOGL.

Application No. 49/CAL/1991 filed on 17 January 1991.

(Divided out of No. 962/CAL/1987 antedated to 9-12-87).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 11 Claims

A cable for communication or power transmission, comprising one or a plurality of insulated or non-insulated conductors and one or more sheaths, said cable comprising between the outer or outermost sheath and the conductor or conductors at least one thermally expandable tape, said tape comprising a carrier material such as herein described.

Compl. Specn. 29 pages.

Drgns. Nil

Ind. Class : 29-A [GROUP—XL(2)]

171831

Int. Cl. : G 06 G 7/70.

## AN APPARATUS FOR DETECTING A COLLAPSED STRUT OF A WORK VEHICLE.

Applicant: CATERPILLAR INC., OF 100 N.E. ADAMS STREET, PEORIA, ILLINOIS 61629-0490, U.S.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventors: (1) CHRISTOS THEODOROS KYRTSOS, (2) FRANCIS PAUL LUTGEN and (3) ADAM JOHN GUDAT.

Application No. 341/MAS/88 filed May 23, 1988.

Convention date: November 16, 1987; (No. 551, 914; Canada).

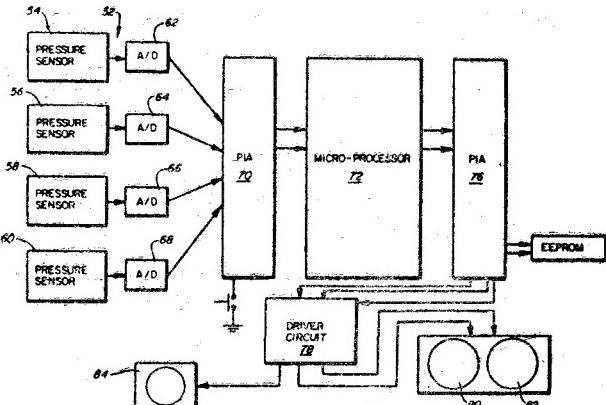
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

An apparatus (10) for detecting a collapsed strut (16L, 16R, 18L, 18R) of a work vehicle (12) having a plurality of left and right strut mounted wheels, comprising

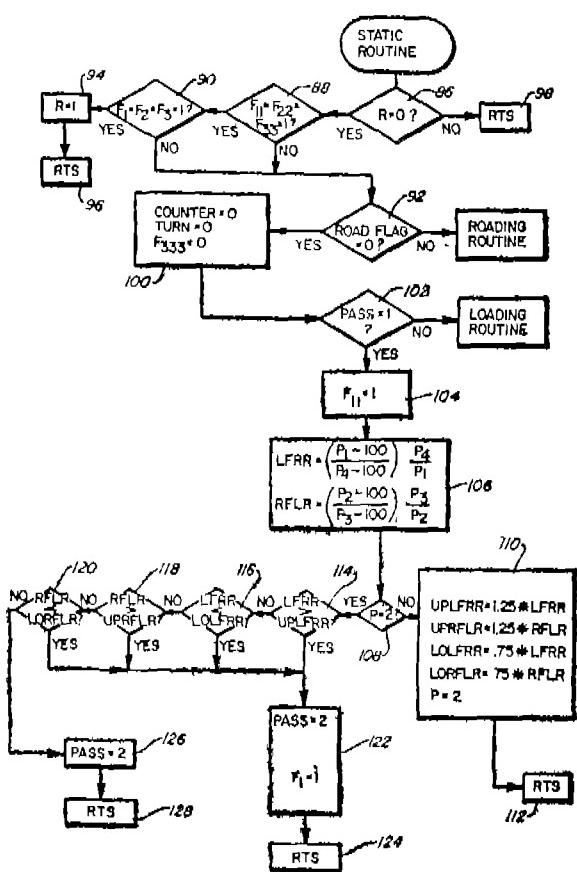
means (52) for periodically sensing the internal pressure of selected struts (16L, 16R, 18L, 18R) and delivering a plurality of first signals each having a magnitude correlative to the internal pressure of each respective selected strut (16L, 16R, 18L, 18R);

means (72, 84) for deriving an indication of the condition of each of the struts (16L, 16R, 18L, 18R) responsive to the pressure of the selected struts (16L, 16R, 18L, 18R) and delivering a signal indicative of a collapsed strut (16L, 16R, 18L, 18R) in response to said pressure signals being outside a preselected range.



Compl. specn. 10 pages.

Drgns. 2 sheets



Compl. 27 pages;

Drwgs. 6 sheets

Ind. Class : 194-C—[GROUP-LXIII(4)]

171832

Int. Cl. : H 01 J 29/04.

**A METHOD OF PRODUCING A CATHODE FOR AN ELECTRON TUBE.**

Applicants: (1) MITSUBISHI KINZOKU KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 5-2, OTEMACHI, 1-CHOME, CHIYODA-KU, TOKYO, JAPAN; AND (2) MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE CORPORATION OF 2-3 MARUNOUCHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: (1) ETSUJI KIMURA and (2) HISAO NAKANISHI.

Application No. 391/MAS/88 filed June 8, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

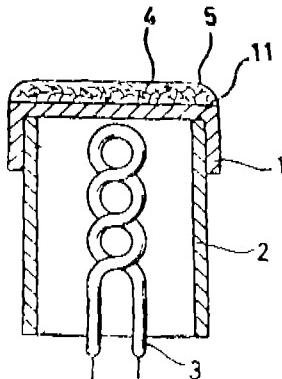
**6 Claims**

A method of producing a cathode for an electron tube, comprising the steps of:

preparing a base consisting of nickel as a major element and at least silicon as a reducing agent, and

coating a portion of said base with an electron-emissive layer consisting of alkaline earth metal oxide containing at least barium and scandium oxide, said scandium oxide having crystals selected from the group consisting of dodecahedral crystals and prismatic polyhedral crystals, and said crystals

being dispersed in said electron-emissive layer in the range from 0.1 to 20 wt %.



Compl. 24 pages;

Drwgs. 7 sheets

Ind. Class : 40-B—[GROUP-IV(1)]

171833

Int. Cl. : B 01 J 23/54.

**PROCESS FOR PREPARING A CATALYST SUPPORTED ON A SUBSTRATE SUITABLE FOR DEHYDROGENATING C9-C20 LINEAR PARAFINS.**

Applicants: (1) ENRICERCHE S.p.A., A COMPANY ORGANIZED UNDER LAW OF THE ITALIAN REPUBLIC OF CORSO VENZIA, 16-MILAN, ITALY.

AND

(2) ENICHEM AUGUSTA S.p.A., A COMPANY ORGANIZED UNDER LAW OF THE ITALIAN REPUBLIC OF VIA RUGGERO SETTIMO, 55-PALERMO, ITALY.

Inventors: (1) VITTORIO FATTORE

(2) GIUSEPPE FORNASARI

(3) GIUSEPPE BELLUSSI.

Application No. 522/Mas/88 filed July 22, 1988.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch.

**7 Claims. (No drawings)**

Process for preparing a catalyst supported on a substrate suitable for dehydrogenating C9-C20 linear paraffins to obtain the corresponding linear olefins, said catalyst consisting of a solid, granular and porous substrate such as granular gamma alumina, containing water soluble catalytic compounds of Pt, Sn and Ti which decompose at a temperature of from 350°C to 450°C from 0.05% to 1% by weight of Pt from 0.1% to 1% by weight of Sn and from 0.1% to 1% by weight of Ti, referred to the total weight of the catalytic metals and their supporting substrate, the maximum Sn/Ti ratio being 1 : 1 and the ratio of Pt : (Sn+Ti) being from 0.15 : 1 to 0.5 : 1, comprising the steps of:

impregnating the said substrate with an aqueous nitric solution containing the said water soluble catalytic compounds;

optionally drying the impregnated substrate and impregnating it with an aqueous alkali metal hydroxide solution;

optionally drying the resultant impregnated substrate once again and calcining it in air stream at a temperature of from 350°C to 450°C for a time of from 2 hours to 8 hours; and

reducing the thus obtained supported catalyst in a hydrogen stream at a temperature of from 350°C to 500°C.

Compl. specn. 17 pages.

Ind. Classes - 39-K & 139-D - [GROUPS - III & IV(2)] 171834  
Int. Cl.<sup>4</sup> - C 01 B 3/26

**A PROCESS FOR PRODUCING SYNTHESIS GAS FROM A HYDROCARBONACEOUS FEEDSTOCK**

Applicant : DAVY MCKEE CORPORATION, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 2925 BARIARPARK, SUITE 700, HOUSTON, TEXAS 77042, U.S.A.

Inventors : (1) MICHAEL DUNSTER (2) JOSEPH D. KORCHNAK

Application No. 573 MAS/88 filed August 10, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**15 Claims**

A process for producing synthesis gas from a hydrocarbonaceous feedstock comprising the steps of mixing hydrocarbonaceous feedstock, oxygen or oxygen containing gas and optionally steam to obtain a gaseous mixture with oxygen to carbon molar ratio in the range of 0.3 : 1 to 0.8 : 1 and steam to carbon molar ratio in the range of 0.1 to 3.0 : 1, introducing the said gaseous mixture at a temperature not lower than 93°C below its autoignition temperature to a catalytic partial oxidation zone having a catalyst such as herein described having a ratio of geometric surface area to volume of at least 5 cm<sup>2</sup>/cm<sup>3</sup> at a space velocity of 20,000 per hour to 30,000 per hour, maintaining the said partial oxidation zone at a temperature of 760°C to 1090°C and at a pressure greater than 690 KPa.

(Comp. 24 pages;

Drwgs. 8 sheets)

Ind. Class - 35-C - [GROUP - XXV(2)] 171835  
Int. Cl.<sup>4</sup> - B 28 C 5/00

**AN IMPROVED METHOD OF PRODUCING CONCRETE**

Applicant : SANDOZ LTD., OF 35 LICHTSTRASSE CH-4002 BERN, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) GREGORY S BOBROWSKI (2) GREGORY C J GUECIA (3) DAVID L LUPYAN (4) FREDERICK D KINNEY.

Application No. 596 MAS/88 filed August 23, 1988.

Convention date : August 24, 1987; (No. 8719953; England).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**16 Claims**

In a method of producing concrete the improvement comprises prior to setting of concrete, adding 0.2 to 10% by weight based on dry weight of cementitious material a retarder such as herein described sufficient to retard hydration upto an additional period of 90 hours, adding 1 to 10% by weight based on dry weight of cementitious material an accelerator such as herein described to restore it to a setable state after the described retardation period.

(Comp. - 15 pages;

No drawing)

Ind. Class - 32-F.3(c) - [GROUP - IX(1)] 171836  
Int. Cl.<sup>4</sup> - C 07 C 29/04; 29/80.

**PROCESS FOR THE CONTINUOUS PURIFYING DISTILLATION OF CRUDE SEC-BUTYL ALCOHOL OBTAINED BY CATALYTIC HYDRATION OF AT LEAST ONE n-BUTENE.**

Applicant : RWE-DEA AKTIENGESELLSCHAFT FUR MINERALOEL UND CHEMIE, OF UBERSEEING 40, D-2000 HAMBURG 60, GERMANY, A GERMAN COMPANY.

Inventor : GUNTHER OSTERBURG.

Application No. 597/Mas 88 filed August 25, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**8 Claims**

A process for the continuous purifying distillation of crude sec-butyl alcohol obtained by catalytic hydration of at least one n-butene and separation of unreacted olefin from the reaction product, comprising : feeding the crude sec-butyl alcohol to the upper part of a distillation column, supplying the energy required for distillation to the bottom of the column and withdrawing from the bottom of the column sec-butyl alcohol, a product (overhead product) off azeotropic composition being distilled off overhead, wherein :

(a) the temperature at a tray (temperature-control tray) of the column i.e., intermediate between the top and bottom of the column is maintained between 87.5°C and 99.5°C; (b) the amount of water in the column above the temperature control tray is controlled such as to maintain the azeotropic composition of the products; (c) the crude sec-butyl alcohol is fed to the column at a level below the top of the column and above the temperature-control tray; and (d) the overhead product is condensed to obtain a light phase and a heavy aqueous phase and a portion only of the light phase and at least a portion of the heavy phase is returned to the top of the separation column and the purified sec-butyl alcohol is recovered in a known manner.

(Comp. - 38 pages;

Drwgs. - 5 sheets)

Ind. Class - 28-C - [GROUP - XXX (1)] 171837  
Int. Cl.<sup>4</sup> - F 23 C 5/02

**A BURNER FOR THE PARTIAL OXIDATION OF HYDROCARBON-CONTAINING FUEL**

Applicant : SHELL INTERNATIONALE RESEARCH MAATCHAPPIJ B V, A NETHERLANDS COMPANY OF CAREL VAN BYLANDTLAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventor : FRANCISCUS JOHANNA ARNOLDUS MARTENS.

Application No. 634/Mas 88 filed September 8, 1988.

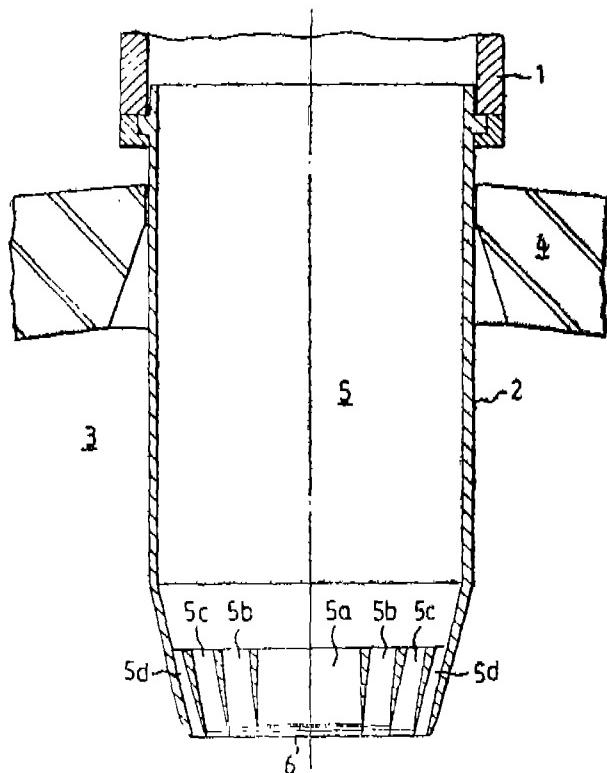
Convention date : September 10, 1987; (No. 8721282; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**6 Claims**

A burner for the partial oxidation of hydro-carbon-containing fuel comprising a tubular burner head having a feed supply end and discharge end, said burner head being disposed around a plurality of concentric tubular passages for feeding the fuel an oxygen-containing gas and optionally a moderator gas such as herein described to a partial oxidation reactor, characterised in that said burner further comprises a thin-walled tubular mantle of impervious ceramics having good thermal conductivity, the said tubular mantle having an inner skin and an outer skin mounted at the feed supply end on the burner head, the discharge end, being disposed to protrude into the reactor and to separate the said tubular

passages from the reactor environment, wherein the outer skin of said mantle is exposed to the reactor environment and the inner skin of said mantle is cooled by at least one of the feed streams during the operation of the burner.



Compl. Specn. 22 pages.

Drwgs. 3 sheets.

Ind. Cl. : 131-A<sub>2</sub>—[GROUP—XXVIII (3)] 171838

Int. Cl. : E 21 B 23/00

A DEVICE TO CONTROL A SPECIALIZED INTERVENTION EQUIPMENT IN A DRILLED WELL.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4 AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON, FRANCE.

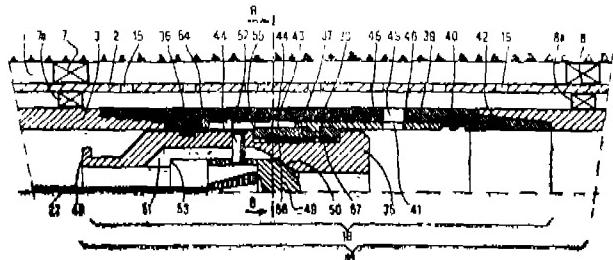
Inventors : (1) JACQUES LESSI (2) MICHEL THOLANCE.

Application No. 642/Mas/88 filed September 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 7 Claims

A device to control a specialized intervention equipment in a drilled well having at least one highly slanted zone slanted with respect to a vertical line, the said device comprising at least a first tubular pipe along the installation of said specialized equipment, a control member capable of being introduced into said tubular pipe and connected to the surface by a cable at one of its extremities, a downward pumping means for moving said control member into the said tubular pipe, means for unwinding the said cable, traction for applying traction on the cable from the surface of the drilled well and means to selectively control said specialized equipment when the said control member passes plumb with the said specialized equipment during raising or lowering.



Compl. Specn. 22 pages

Drwgs. 3 sheets

Ind. Cl. : 40-II—[GROUP—IV (1)]

171839

Int. Cl. 4-C 07 C 7/00

A CONTINUOUS PROCESS FOR SEPARATING HYDROGEN AND/OR NITROGEN FROM A HYDROCARBON GAS FEED STREAM.

Applicant : ADVANCED EXTRACTION TECHNOLOGIES, INC., OF NO. 2, NORTHPOINT DRIVE, SUITE 820, HOUSTON, TEXAS 77060, UNITED STATES OF AMERICA, A U. S. COMPANY.

Inventor : YUV R. MEHRA.

Application No. 661 MAS/88 filed September 20, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 10 Claims

A continuous process for separating hydrogen and/or nitrogen from a hydrocarbon gas feed stream, comprising the steps of :—

A. Countercurrently contacting said hydrocarbon gas stream with a physical solvent selected from the group of :—

- (1) paraffinic solvents having molecular weights ranging from 75 to 140 and UOP characterization factors ranging from 12.0 to 13.5, said factors being independent of the aromatic content of said paraffinic solvents,
  - (2) naphthenic solvents having molecular weights ranging from 75 to 130 and UOP characterization factors ranging from 10.5 to 12.0, said factors being independent of the aromatic content of said naphthenic solvents, and
  - (3) benzene and toluene,
- to produce an overhead stream which is rich in hydrogen and/or nitrogen and a rich solvent bottom stream which is rich in hydrocarbons; and

B. flashing said rich solvent bottom stream at least in one stage to obtain the stripped physical solvent and recycling the recovered solvent stream to Step A.

Compl. Specn. 45 pages. Drwgs. 2 sheets, each of size 33.00 cms. by 41.00 cms.

Ind. Class : 130 I [XXXIII]

171840

Int. Class : C 21 D 3/04.

"METHOD OF PRODUCING DECARBURIZED METAL MELT".

Applicant : UDDEHOLM TOOLING AKTIEBOLAG OF GEJÄRSVÄGEN S-68305 HAGFORS SWEDEN A SWEDISH COMPANY.

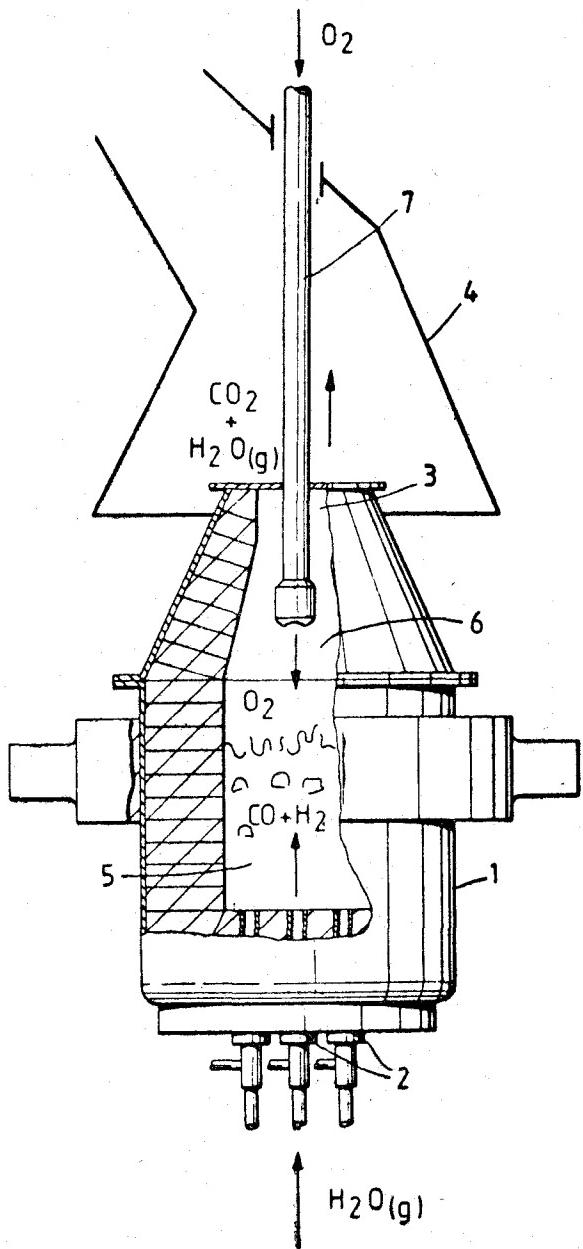
Inventor : PER ARE FUNDSTROM.

Application No. 703/Mas/88 filed on 7th October, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

A method of producing decarburized metal melt containing readily oxidizable metals such as chromium and manganese with metals such as iron, nickel and cobalt comprising injecting steam beneath the surface of the metal melt and simultaneously injecting oxygen into the space above the metal melt in the reaction vessel to obtain decarburized metal.



Compl. Specn. 13 pages.

Drwg. 1 sheet.

Ind. Class : 24-F [GROUP-LV]

Int. Cl.<sup>4</sup> : F 16 D 69/04  
F 16 B 11/00

## AN APPARATUS FOR BONDING BRAKE LINING.

Applicant : AKEBONO BRAKE INDUSTRY CO., LTD.,  
OF 19-5, KOAMI-CHO, NIHONBASHI, CHUO-KU,  
TOKYO, JAPAN, A JAPANESE COMPANY.

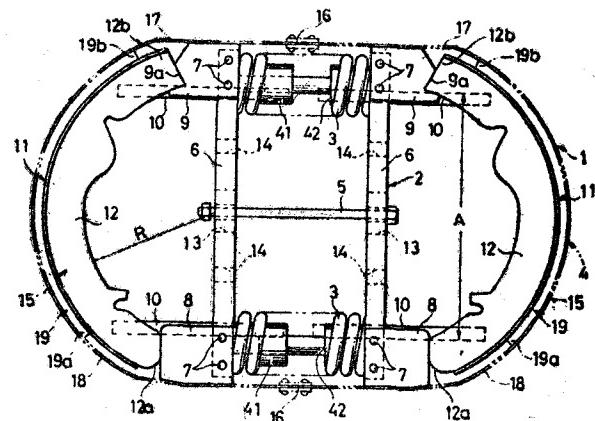
Inventor : YUKIO IWATA.

Application No. 706/MAS/88 filed October 10, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

21 Claims

An apparatus for bonding brake lining in which brake linings positioned between a loop-like pressure imposing band and a pair of brake shoes disposed on opposite locations at the inner side of said band are pressure-bonded to said brake shoes by expanding in opposite direction an expand member which is urged by springs, wherein said pressure imposing band is provided with rigid strips at two circumferential locations at a predetermined position and is formed in a substantially elliptic shape; said expand member abuts the end portions of a rib of said brake shoe.



Compl. Specn. 33 pages.

Drwgs. 8 sheets.

Ind. Class : 128-F [GROUP XIX(2)]

171842

Int. Cl.<sup>4</sup> : A 61 M 5/18

## A SINGLE SHOT HYPODERMIC SYRINGE.

Applicant & Inventor : GUDMAR OLOVSON, A SWEDISH SUBJECT, OF 64 RUE SAINT CHARLES, 75015, PARIS, FRANCE.

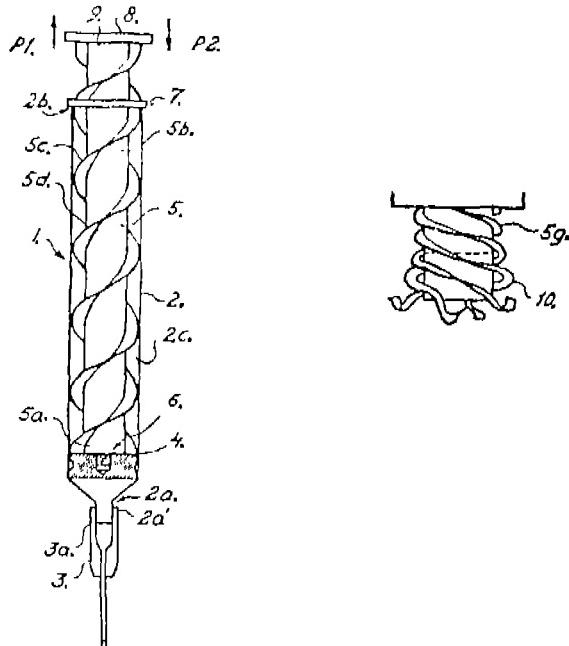
Application No. 822/MAS/88 filed November 22, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

10 Claims

A single shot hypodermic syringe comprising a container, a needle capable of co-acting with one end of the said container, a plunger located inside the said container co-acting sealingly with the inner surface thereof, and a rod-shaped element co-acting with the said plunger, said rod-shaped element being capable of rectilinear reciprocating movement relative to the said container for filling injection liquid through the said needle during the movement of the rod-shaped element in a first direction and emptying injection liquid through the said needle during the movement of the rod-shaped element in a second direction, co-acting means in the form of screwthread being provided for mutual co-action between the said plunger and the said rod-shaped element for holding the said plunger against the said rod-shaped element during linear movement of said rod-shaped element in said first direction and disconnecting said plunger from said rod-shaped element during linear movement of said rod-shaped element in said second direction preventing drawing further injection liquids into the said container upon successive linear movement of the said rod-shaped element

in the said first direction and rotational movement means for imparting rotational movement to the said rod-shaped element relative to the said plunger upon linear movement of said rod-shaped element.



Compl. Specn. 18 pages.

Drwg. 1 sheet.

Ind. Class : 23-H & 164-C [GROUPS-XL(3) & II(3)]

Int. Cl. : B 67 D 5/64

A BIN FOR RECEIVING, STORING AND DISCHARGING BULK SOLID MATERIALS OF THE TYPES THAT ARE RESPONSIVE TO A VIBRATORY CONVEYING ACTION.

Applicant : KINERGY CORPORATION, A CORPORATION OF THE STATE OF KENTUCKY, U.S.A. OF 7310 GRADE LANE, LOUISVILLE, KENTUCKY 40219. U.S.A.

Inventor : GEORGE DAVID DUMBAUGH.

Application No. 824/Mas/88 filed November 24, 1988.

Convention date : October 18, 1988; (No. 580, 494; Canada).

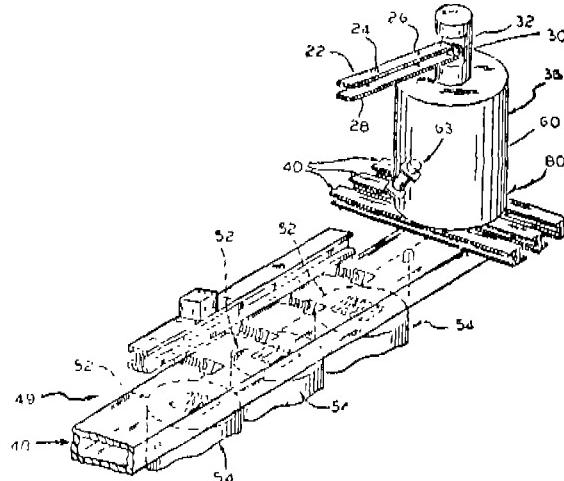
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 8 Claims

A bin for receiving, storing and discharging bulk solid materials of the types that are responsive to a vibratory conveying action, comprising;

a vessel for storing a quantity of bulk solid materials in vertical columnar form, and defining a cylindrical side wall having upper and lower ends and that is symmetrical about a vertical axis at the center of said vessel and having at least one internal baffle means fixed thereto between said upper and lower ends of said vessel side wall for restricting gravity flow of said materials vertically of the vessel and defining down feed porting for accommodating such flow, and having an upper inlet port above said internal baffle means for accepting the bulk material into the vessel, with said vessel having a low profile bottom section below said internal baffle defining a bulk solid materials conveying surface and at least one discharge port arrangement disposed to one side of said axis and defining a vertically rectilinear

discharge chute having a vertical central axis, and means for imparting a helical type vibratory stroke action about said axis to the bulk solid material contained within said vessel for effecting movement of the bulk solid material received in said vessel both downwardly thereof induced vertical flow fashion, and conveying the bulk material impelled retrieving conveying fashion over said bottom conveying surface, and into said discharge port, for gravity discharge from said bin.



Compl. Specn. 29 pages.

Drwgs. 2 sheets.

Ind. Class . 155 [GROUP-XXIII]

171844

Int. Cl. : C 14 B 7/02

B 32 B 27/02

A LAMINATE COMPOSED OF A WOVEN OR KNITTED FABRIC COVERED WITH A FOIL IMPERMEABLE TO LIQUID WATER BUT PERMEABLE TO WATER VAPOR.

Applicant : AKZO NV. OF 6824 ARNHEM, VELPERWEG 76. NETHERLANDS, A NETHERLANDS COMPANY.

Inventor : ROlf DIRK MAHLER.

Application No. 844/Mas/88 filed November 28, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 10 Claims (No drawing)

A laminate composed of a woven or knitted fabric covered with a foil impermeable to liquid water but permeable to water vapor, the said woven or knitted fabric comprises undrawn or partially drawn continuous filament yarns, wherein the laminate at room temperature has an extensibility of at least 150% in the longitudinal and transverse directions and after extending the laminate in at least one of said longitudinal and transverse directions by a value between 150%, and the elongation at break, the length and width of the laminate are not shortened by more than 10% after the elongation force is removed.

Prov. 11 pages.

Com. 17 pages.

Ind. Class : 83-B. [GROUP XIV(5)]

171845

Int. Cl. : A 21 D

A PROCESS FOR PREPARING A MIXTURE IN THE FORM OF A SOLID SUBSTANCE CONTAINING STABILIZED OXIDATION-SENSITIVE COMPOUNDS.

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY, ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) CHITHARU FUKAMACHI  
 (2) HORST SCHUMACIER  
 (3) WOLFGANG BEWERT  
 (4) JOACHIM SCHNEIDER.

Application No. 42/Mas/89 filed January 18, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

10 Claims (No drawing)

A process for preparing a mixture in the form of a solid substance containing stabilized oxidation-sensitive compounds such as herein-described, the said process comprising preparing a dispersion of said oxidation-sensitive compounds with a triglyceride, a complexing agent and a coating substance and converting the said dispersion into a solid substance in a known manner.

(Com. 22 pages)

Ind. Class : 129C & 131-A<sub>3</sub> 171846  
 [GROUPS-XXXV & XXVIII(3)]

Int. Cl.<sup>1</sup> : E 21 B 17/00, E 21 B 33/043.

#### A WELL TOOL FOR RUNNING AND INSTALLING A CASTING HANGER.

Applicant : FMC CORPORATION, A DELAWARE CORPORATION, OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601 0000, U.S.A.

Inventor : RANDY JAMES WESTER.

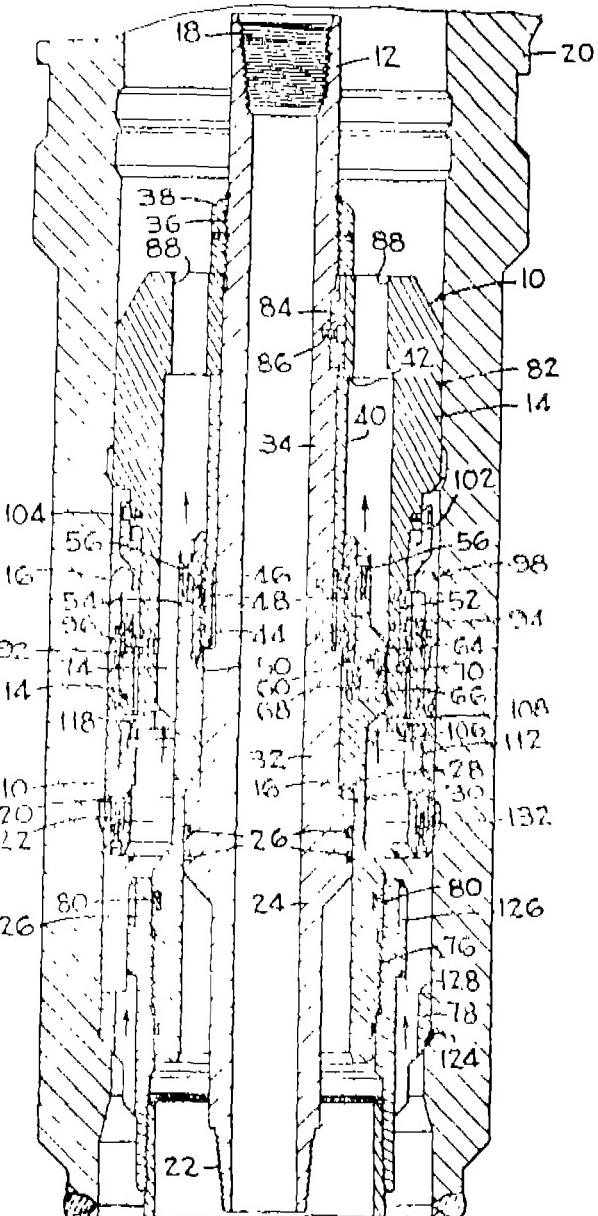
Application No. 258/Mas/89 filed April 3, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A well tool for running and installing a casing hanger and a packoff into an underwater wellhead housing during a single trip into the well, comprising :

- (a) a central tubular mandrel having means for attachment to a pipe string;
- (b) a tubular body surrounding and secured to the mandrel for movement in unison therewith, said body having means for releasably connecting it to a surrounding annular packoff;
- (c) a casing hanger adapter sleeve surrounding the mandrel, said adapter sleeve releasably connected to the mandrel by latching means which can be ratcheted from an unlatched condition into a latched condition without relative rotation between the mandrel and the sleeve, said sleeve having means for releasably connecting it to a well casing hanger for support thereof on the sleeve.



(Compl. Specn. 16 pages.

Drgs. 2 sheets; each of size 33.00 cms. by 41.00 cms.)

Ind. Class : 166-C—[GROUP-LII(2)] 171847  
 Int. Cl.<sup>1</sup> : B 63 H 25/12.

#### HYDRAULIC WING ACTUATOR FOR TURNING MOVEMENT OF A SPINDLE.

Applicant : TENFJORD A.S., OF N-6264 TENNFJORD, NORWAY, A NORWEGIAN COMPANY.

Inventor : HANS PETTER HILDRE.

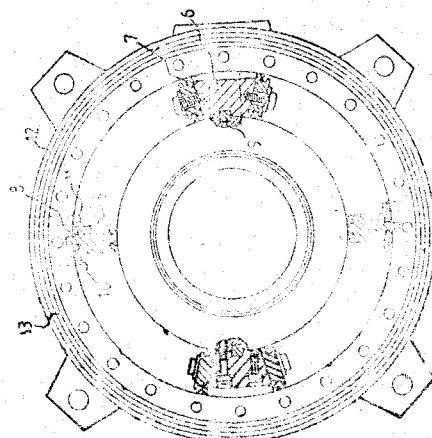
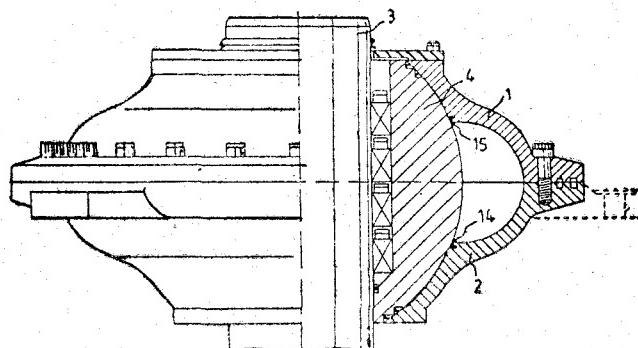
Application No. 378/Mas/89 filed May 11, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

Hydraulic wing actuator for turning movement of a spindle, especially a rudder stock (3), comprising a lower part (2) fixed to the ship hull and an upper part (1) secured to the lower part and which together define a substantially torus shaped guiding path for wings (8, 7) connected with

the lower part and the rudder stock respectively, characterized in that a ball shaped hub (4) being secured to the rudder stock (3) and journalled slideably in the lower and upper parts, creating the radially inward facing, concave limitation of the guiding path, the remaining torus shaped part being formed by the upper and lower parts, at least one fixed partition on wall (5) being connected with the lower part and the upper part and comprising on both sides protruding wings (8) abutting tightly to the guiding path, whereby one fluid conduit leads to each side of each fixed partition wall (5) for alternatively pressurizing or depressurizing the two spaces on both sides of the partition walls, and at least one carrier (6) being fixedly connected with the hub and arranged in the guiding path, comprising on both sides protruding and tightly against the guiding path abutting wings (7) connected with the carriers and being displaceable together with the carriers.



Compl. specn. 7 pages

Drg. 1 sheet.

Ind. Class : 116-G-(GROUP-XLIX)

171848

Int. Cl.-B65H 1/04

#### A DISPENSER FOR SHEETS OF NOTE PAPER DISPOSED IN A STACK

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, OF 3M CENTER, SAINT PAUL, MINNESOTA 55144-1000, U.S.A.

Inventor : DAVID C WINDORSKI

Application No. 432/Mas/89 filed June 1, 1989.

Appropriate Office for Opposition Proceeding (Rule Patents Rules, 1972), Patent Office Branch, Madras.

#### 6 Claims

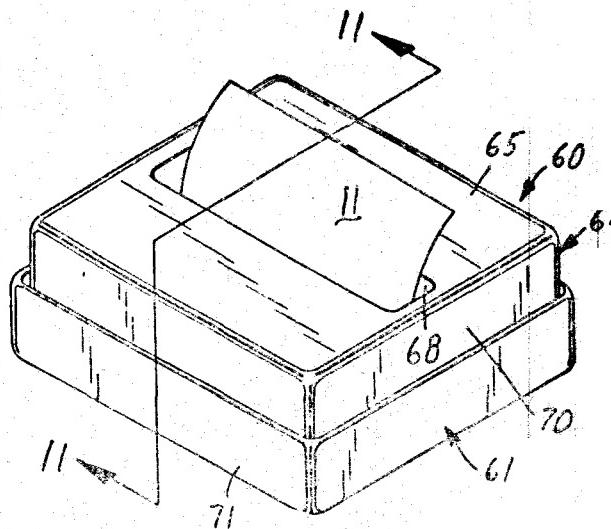
A dispenser (60, 80, 100) for sheets (11) of note paper disposed in a stack (9) having upper and lower surfaces with each of said sheets (11) having a narrow band of adhesive coated on one surface along one edge by which the sheets (11) are adhered together and with the sheets (11) being stacked (9) with the band of adhesive of adjacent sheets (11) at alternate opposite edges of the stack (9), said dispenser (60, 80, 100) comprising :

a base (16, 81, 101) part having a bottom surface adapted to be supported on a horizontal support surface and a top surface comprising a planar support surface portion (63, 83, 103) adapted to support the lower surface of the stack (9),

a body part (64, 84, 104) having a top surface (65, 85, 105) and a bottom surface having spaced pressure surface portions (66, 86, 106) adapted to engage and be supported on the upper surface of the stack (9) adjacent the edges of the sheets (11) along which the narrow band of adhesive are coated with the spaced pressure surface portion (66, 86, 106) engaging the upper surface of the sheets (11) at predetermined distances from the edges of the sheets (11) along which the narrow bands of adhesive are coated, and convex arcuate surface portions (67, 87, 107) between said pressure surface portions (66, 86, 106) and said top surface (65, 85, 105) defining a slot (68, 88, 108) through and extending centrally across said body part (64, 84, 104), said convex arcuate surface portions (67, 87, 107) having radii with a dimension at least as large as said predetermined distances to restrict curling of sheets (11) of paper pulled from the dispenser (60, 80, 100) through the slot (68, 88, 108), said body part (64, 84, 104) having sufficient weight to afford pulling a sheet from the stack (9) through the slot (68, 88, 108) without substantially lifting the body part (64, 84, 104) from the stack (9),

means for locating the stack (9) with the edges of the sheets (11) along with the narrow bands of adhesive are coated parallel to said arcuate surface portions (67, 87, 107) and with said slot (68, 88, 108) extending generally transversely across the stack (9) centrally between those edges, and

means for positioning said body part (64, 84, 104) above said base part (61, 81, 101), characterized in that one of said parts (61, 81, 101; 64, 84, 104) has a periphery (70, 90, 110) disposed at a right angle to said support surface portion (63, 83, 103), and the other of said parts has a peripheral wall (71, 91, 111) adapted to project along said periphery (70, 90, 110) with the stack (9) between said parts (61, 81, 101; 64, 84, 104) to provide said means for positioning said body part (64, 84, 104) above said base part (61, 81, 101).



(Com. — 17 pages;

Drwgs. — 3 sheets

Ind. Class : 32 F 2 (b) & (C) [IX(1)]. 171849

Application for Patent No. 547/Del/86 filed on 24th June, 1986.

Int. Class<sup>4</sup> — C 07 H — 5/06.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**A METHOD FOR PREPARING A DRY AMINO SUGAR CARBONATING AGENT.**

Applicant : SOCIETE DES PRODUITS NESTLE S A, OF CASE POSTALE 353, 1800 VEVEY SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : 1. TEH-KUEI CHEN, 2. DOROTHY JEAN MUFFETT, 3. KAREN G TANDY.

Application No. 966/MAS/90 filed on 29th November 1990.

Divisional to Patent No. 169314 (III/MAS/87), Ante dated to 8-2-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972). Patent Office Branch, Madras.

**3 Claims**

A method for preparing a dry amino sugar carbonating agent comprises reacting bicarbonate ions with the amino moiety of glucosamine or galactosamine by charging a basic ion exchange resin with bicarbonate ions and contacting the charged resin with an aqueous solution of a mineral acid salt of glucosamine or galactosamine to obtain the dry amino sugar carbonating agent.

(Complete specification 13 pages; Drawings Nil.).

Ind. Class : 172-C3&9—[GROUP-XX] 171850

Int. Cl<sup>4</sup> : B 05 D 1/40.

**A FLOCK DELIVERY SYSTEM.**

Applicant : MASCHINENFABRIK RIETER AG, OF COMPANY.

Inventors : (1) ROLD BINDER  
(2) DANIEL HANSELMANN  
(3) WALTER SCHLEPFER  
(4) CHRISTOPH STAEBELI.

Application No. 430/Mas/90 filed June 1, 1990.

Convention date : October 2, 1985; (No. 8524304; Great Britain).

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972), Patent Office, Madras Branch.

**3 Claims**

Flock extraction apparatus comprising a track defining means having a pair of ducts extending along the truck, a carrier movable along the track, a pair of flock extracting means extending in opposite directions from the carrier to either side of the track, and flock directing leads extending through the carrier from respective flock extracting means to respective ducts in the track.

Compl. specn. 58 pages

Drgs. 4 sheets.

Ind. Cl. : 70 C<sub>6</sub> & 139 C 171851

Int. Cl<sup>4</sup> : C 22 C 28/00.

**PROCESS FOR PREPARING AN ANODE HAVING NOVEL RHODIUM BASED AMORPHOUS METAL ALLOYS ON A SUBSTRATE.**

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, 200 PUBLIC SQUARE, CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventors : JONATHAN HENRY HARRIS, MICHAEL ALAN TENHOVER & ROBERT KARL GRASSELLI.

**5 Claims**

*A process for preparing an anode having novel rhodium based amorphous metal alloy on a substrate, said anode having a corrosion resistance of less than 10 microns per years, said process comprising depositing on a substrate such as herein described by a chemical or physical method as described herein a novel rhodium based amorphous metal alloy having the formula Rh<sub>r</sub> A<sub>s</sub> D<sub>d</sub>, wherein :*

*A is B, P, As and mixtures thereof;*

*D is Ir, Pd, Ru, Ti, Zr, Nb, Ta, Y, Hf or mixtures thereof and present only when A is B;*

*r is from 50 to 96 per cent;*

*s is from 4 to 50 per cent; and*

*d is from greater than 0 and less than 60 per cent;  
with the proviso that r+s+d=100.*

Compl. specn. 17 pages

Drgs. Sheet Nil.

Ind. Cl. : 32 B

171852

Int. Cl<sup>4</sup> : C 07 C 2/08

**A PROCESS FOR PRODUCING AN ENRICHED HYDROGEN STREAM FROM A FEED STREAM CONTAINING C<sub>3</sub> HYDROCARBONS.**

Applicant : UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT "20" UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventors : EDWARD CHARLES HAUN & DAVID ALAN HAMM.

Application for Patent No. 976/Del/86 filed on 5th November, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**3 Claims**

A process for producing an enriched hydrogen stream from a feed stream containing C<sub>3</sub> hydrocarbons, said process comprises the steps of (a) passing the feed stream containing C<sub>3</sub> hydrocarbons into a catalytic dehydrocyclodimerization reaction zone maintained at conventional conversion conditions selected to provide a reaction zone effluent stream comprising ethane, hydrogen and C<sub>6</sub>-plus aromatic hydrocarbons such as herein described; (b) separating the reaction zone effluent stream by a series of steps comprising cooling, partial condensation and vapor-liquid separation into a vapor-phase first process stream comprising hydrogen, ethane, and propane and a liquid-phase second process stream which comprises C<sub>6</sub>-plus aromatic hydrocarbons such as herein described; and (c) passing the second process stream into a fractional distillation zone and recovering C<sub>6</sub>-plus aromatic hydrocarbons such as herein described, characterized in that the vapor phase first process stream is heated by compression; the first process stream is then cooled by indirect heat exchange, and is partially condensed; and, the thus partially condensed first process stream is separated into a liquid-phase third process stream and a vapor-phase fourth process stream having a higher concentration of hydrogen than the first process stream.

Compl. Specn. 27 pages

Drgs. 1 sheet

Ind. Cl. : 50 F

171853

Int. Cl.<sup>a</sup> : B61D 27/00**THERMOELECTRIC COOLER.**

Applicant VAPOR CORPORATION, A DELAWARE CORPORATION OF 6420 W. HOWARD STREET, CHICAGO, ILLINOIS 60648, UNITED STATES OF AMERICA.

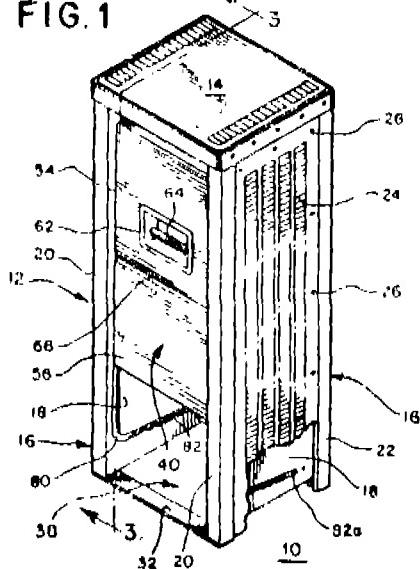
Inventor : SHLOMO BEITNER.

Application for Patent No. 389/Del/87 filed on 05 May 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**15 Claims**

A thermoelectric cooler (10) comprising a storage compartment (36) having insulated top wall (14), a pair of side walls (16) and a back wall, an access opening on one side opposite said back wall, said access opening having substantially the same size as oppositely located back wall, said storage compartment having an insulated door (40) mounted in said opening for movement relative to said compartment between a closed position for sealing said access opening and an open position displaced from said access opening for providing direct access to interior of said storage compartment, said door (40) being secured to adjacent edges of said walls by means of a securing means, said walls (14, 16) surrounding said access opening when said door is in closed position, a means for biasing (68) located on opposite sides of edges of said door for providing a pivotal movement, a thermoelectric means for cooling interior of said storage compartment.

**FIG. 1**

Compl. Specn. 18 pages

Drgs. 3 sheets

Ind. Cl. : 51 D.

171854

Int. Cl.<sup>a</sup> : B26B 21/00.**RAZOR HANDLE ASSEMBLY.**

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

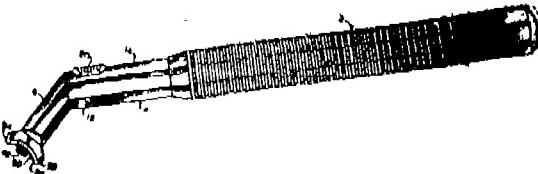
Inventor : DANIEL BRIAN LAZARCHIK.

Application for Patent No. 1061/Del/87 filed on 11 Dec. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**3 Claims**

A razor handle assembly comprising a grip portion (2), a neck portion (4) of at one end of said grip portion (2), and a head portion (6) at one end of said neck portion (4), first and second arms (32, 34) pivotally mounted in said head portion (6) for movement toward and away from each other, spring means (40) mounted in said head portion (6) and urging said arms (32, 34) toward each other, a first shell bearing (36) mounted on said first arm (32) and a second shell (38) bearing mounted on said second arm (34), said shell bearings (36, 38) for receiving a shaving cartridge (A) and to permit pivotal movement of said shaving cartridge (A) on said handle, a manually operable button (20) having a trunk portion (24) extending into said razor head portion (6), detents (30) extending outwardly from said trunk portion (24) of said button (20) for engaging said arms (32, 34) being urged into engagement with said trunk portion detents (30) by said first spring means (40), said arms (32, 34) having opposed cam surfaces (41) engageable with said detents (30), a spring-biased plunger (42) reciprocally disposed in said trunk portion (24) of said button (20), a head portion (44) of said plunger (42) for engaging an underside of said shaving cartridge (A), whereby manual operation of said button (20) causes movement of said detents (30) upon said cam surfaces (41) to facilitate pivotal movement of said arms (32, 34) responsive to the positioning of said detents (30) and the force of said spring (40) to cause movement of said shell bearing (36, 38) to engage or disengage said bearings (36, 38) relative to said shaving cartridge (A).



Compl. Specn. 10 pages

Drgs. 1 sheet

Ind. Cl. :

171855

Int. Cl.<sup>a</sup> : B01F 17/06

AN AQUEOUS LUBRICANT EMULSION FOR USE IN PRESS FORMING METAL SHEETS.

Applicant : ALCAN INTERNATIONAL LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF CANADA OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA.

Inventor : WILLIAM FRANCIS MARWICK.

Application for Patent No. 1125/Del/87 filed on 23 Dec 1987.

Convention date 29 Dec 1986/8630971/U.K.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 7 Claims

An aqueous lubricant emulsion for use in press forming metal sheets, comprising (a) at least one long-chain aliphatic ester, amide, alcohol or acid such as hecine described and (b) an ammonium or volatile amine salt of a long-chain aliphatic acid such as hecine described in a concentration to stabilise the emulsion, the emulsion having the property of forming, on evaporation of water and ammonia or volatile amine, a lubricant suitable for metal-working, the amount of said component (a) being from 10 to 60% by wt. of said emulsion, the balance being said component (b) and water.

Compl. Specn. 21 pages.

Ind. Cl. : 34-A

171856

Int. Cl.<sup>4</sup> : D 01 G 37/00.

## METHOD FOR TREATMENT AFTER SPINNING CELLULOSE FILAMENTS.

Applicant : SUN-IN LEE, A CITIZEN OF THE REPUBLIC OF KOREA OF # 602, BUILDING 115 HYUN-DAI APT. 307 SAMGOK-DONG, BUK-KU INCHEON KOREA.

Inventor : SUNG-IN LEE.

Application for Patent No. 43/Del/88 filed on 19th Jan., 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 6 Claims

A method for the treatment of cellulose filaments having a good free-shrinkage and a low swelling, which comprises treating cellulose filaments after spinning with an aqueous emulsion containing 0.4 to 4% by weight of a conc oil, 0.001 to 0.04% by weight of a mixed liquid of an alkyl polyamine derivative type cationic surface active agent and a polyoxyethylene alkyl ether type surface active agent 0.02 to 0.5% by weight of a urea resin and 0.0001 to 0.025% by weight of a resinification catalyst and dried in a tunnel drier.

Compl. Specn. 17 pages

Drgs 2 sheets

Ind. Cl. : 206 E.

171857

Int. Cl.<sup>4</sup> : G 06 F 1/00.

## VIDEO CONTROL SUBSYSTEM FOR A COMPUTER SYSTEM.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : STEPHEN PATRICK THOMPSON.

Application for Patent No. 51/Del/88 filed on 20th Jan., 1988.

Convention date 27-10-1987 /8725114/U.K.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 7 Claims

A video control subsystem for a computer system; said computer system having a display device for displaying video data; a display controller with at least two selectable operation modes corresponding to respective video data rates for said display device, a mode signal indicating selected operation mode, a clock signal to define time intervals for video data access operations, a display request signal to request video data for said display and video enable signals defining periods for supply of video data to said display device at a video data rate corresponding to said selected operation mode; a video memory for storing video data to be transmitted to said display device and said video memory having regular access intervals defined by said clock signal; a processing device connected to said video memory for generating video data to be transmitted to said memory for storage and for producing a processor request signal to request access to said memory; said video control subsystem allocating access to said video memory comprising a first arbiter circuit, connected to said display controller to receive said clock signal for producing a first memory access assignment signal according to a predetermined allocation sequence; a second arbiter circuit, connected to said display controller to receive said clock signal and said display request signal for producing a second memory access assignment signal responsive to said display request signal, a first logic circuit, connected to said display controller to receive said mode signal and connected to said first and second arbiter circuits to receive said first and second memory access assignment signals, said circuit selecting as output one of said first and second memory access assignment signals responsive to said mode signal; and a memory access controller connected to said first logic circuit to receive the selected memory access assignment signal and connected to said display controller and said processing device to receive respective request signals, said access controller allocating access intervals to said processing device and said display controller at least in part according to said selected memory access assignment signal and transmits corresponding request signals to said memory.

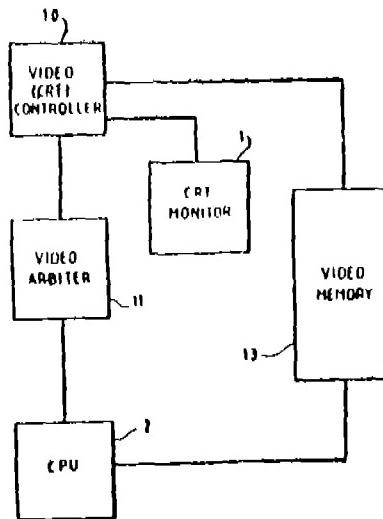


FIG. 1A

Compl. Specn. 21 pages

Drgs. 14 sheets.

Ind. Cl. : 32 F 2 b

171858

Int. Cl.<sup>4</sup> : C 07 D 241/04.

## PROCESS OF PREPARING ARYLPiperazinyl-ETHYL (OR BUTYL)-PHENYL-HETEROCYCLIC COMPOUNDS.

Applicant : PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.



Application for Patent No. 956/Del/88 filed on 4 Nov. 1988.

Divisional to Application No. 484/Del/86 filed on 2 June 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

(CLAIMS 16)

A detergent composition which effectively cleans fibers and makes them antistatic, which comprises 5 to 35% of synthetic organic detergent of sulfate and/or sulfonate of the kind such as herein described, 3 to 10% total of antistatic amide(s) as herein described, and quaternary ammonium salt, with the amount of amide(s) in the composition being 2 to 20 times that of quaternary ammonium salt(s).

Compl Specn. 49 pages.

PATENTS SEALED

ON

24-12-1992

169473 169514 169530 169551\* 169579 169622 169662

169663 169746\*D 169804 169809 169818\*D 169921 169923

169935 169936\* 169937 169938 169939 170625\* 170640

CAL : 8

DEL : 3

MAS : 10

BOM : NIL

\*Patent shall be deemed to be endorsed with the words 'LICENCE OF RIGHT' under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

RENEWAL FEES PAID

150598 152193 152279 152370 157175 157760 158299 159237

160151 161913 161967 161994 162262 163310 163324 164648

165862 166841 167262 169010 169436 169456 169457 169694

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 3. No. 164671. Orbited Mobile Communications Ltd. of The Courtyard, 2-4, London Road, Newbury, Berkshire, England, United Kingdom, RG13 1JL, an English Company. "Portable Telephone Hand-set". Priority date February 13, 1992 (UK).

Class 3. No. 164712. S. M. Export, Indian Partnership Firm of B/204, Vishal Apartments, M. V. Road, Andheri (E), Bombay-400 069, Maharashtra, India. "Bottle". August 27, 1992.

Class 3. No. 164745. Hugo Nilsson, Gunstorp Tutaryd of S-34196 Ljungby, Sweden and Karl-Eric Johnsson, Aby of S-340 14 Lagan, Sweden, both Swedish citizens. "Cap for sealing off a cartridge". September 3, 1992.

Class 3. No. 164871. B. R. Plastics, 314, A to Z Industrial Estate, 3rd floor, G. Kadam Marg, Bombay-400 013, Maharashtra, India, Indian Partnership Firm. "Hanger for garments". October 8, 1992.

Class 5. No. 164711. S. M. Export, Indian Partnership Firm of B/204, Vishal Apartments, M. V. Road, Andheri (E), Bombay-400 069, Maharashtra, India. "Carton". August 27, 1992.

Class 8. Nos. 164804 and 164805. Amar Carpets, Aurai-221 301, District Varanasi, U.P., India, Indian Partnership Firm. "Carpet". September 18, 1992.

Class 10. No. 164682. Liberty Group Marketing Division, Liberty House Extension, Karnal, Haryana, India, Indian Partnership Firm. "Sole of the shoe". August 17, 1992.

*Copyright extended for the 3rd period of five years*

Nos. 163728, 163729, 157474 & 163985

Class 1.

R. A. ACHARYA

Controller General of Patents, Designs  
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